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* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS  1           Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2  Aug 21   Instant Access to FDA Regulatory Information with
                   DIOGENES
 NEWS  3  Aug 21   CAS patent coverage expanded
 NEWS  4  Aug 24   TABULATE Now Available in More STN Databases
 NEWS  5  Aug 28   MEDLINE from 1958 to Date - Only on STN
 NEWS  6  Sep  7   DGENE GETSIM ALERT: Similarity Current-Awareness
                   Searching of Biosequences
 NEWS  7  Sep 11   Textile Technology Digest (TEXTILETECH) now available
                   on STN
 NEWS  8  Sep 21   KKF renamed DKILIT

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FILE 'HOME' ENTERED AT 14:20:25 ON 21 SEP 2000

=> file reg

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FULL ESTIMATED COST                                     0.15       0.15

FILE 'REGISTRY' ENTERED AT 14:20:30 ON 21 SEP 2000
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STRUCTURE FILE UPDATES:   20 SEP 2000  HIGHEST RN 289881-52-3
```

DICTIONARY FILE UPDATES: 20 SEP 2000 HIGHEST RN 289881-52-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 11, 2000

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT for details.

```
=> s alkyloligoglycoside

L1          0 ALKYLOLIGOGLYCOSIDE

=> s octylglucopyranoside

L2          0 OCTYLGLUCOPYRANOSIDE

=> s octylglucopyranoside

L3          0 OCTYLGLUCOPYRANOSIDE

=> e glucopyranoside

E1          1     GLUCOPYRANOSIDASE/BI
E2         89     GLUCOPYRANOSIDATO/BI
E3      62241 --> GLUCOPYRANOSIDE/BI
E4          2     GLUCOPYRANOSIDO/BI
E5          1     GLUCOPYRANOSIDOVER/BI
E6          1     GLUCOPYRANOSIDOVERAZIN/BI
E7          1     GLUCOPYRANOSIDOVERAZINE/BI
E8          1     GLUCOPYRANOSIDURANIC/BI
E9          6     GLUCOPYRANOSIDURO/BI
E10       404     GLUCOPYRANOSIDURON/BI
E11       275     GLUCOPYRANOSIDURONAMIDE/BI
E12         1     GLUCOPYRANOSIDURONAMIDO/BI

=> s e3

L4      62241 GLUCOPYRANOSIDE/BI

=> s alkyl

L5       5790 ALKYL

=> s l4 and l5

L6          2 L4 AND L5

=> d l6 1


L6   ANSWER 1 OF 2  REGISTRY  COPYRIGHT 2000 ACS
RN   166939-76-0  REGISTRY
CN   Isocyanic acid, polymethylenepolyphenylene ester, polymer with
     methyloxirane polymer with oxirane ether with .beta.-D-fructofuranosyl
     .alpha.-D-glucopyranoside, methyloxirane polymer with oxirane
     mono[[bis(2-hydroxyethyl)amino]alkyl] ether ether with methyloxirane
     polymer with oxirane (1:2), and .alpha.,.alpha.',.alpha.''-1,2,3-
     propanetriyltris[.omega.-hydroxypoly[oxy(methyl-1,2-ethanediyl)]] (9CI)
     (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Oxirane, methyl-, polymer with oxirane, ether with
```

.beta.-D-fructofuranosyl .alpha.-D-glucopyranoside, polymer with methyloxirane polymer with oxirane mono[[bis(2-hydroxyethyl)amino]alkyl] ether ether with methyloxirane polymer with oxirane (1:2), polymethylenepolyphenylene isocyanate and .alpha.,.alpha.',.alpha.''-1,2,3-propanetriyltris[.omega.-hydroxypoly[oxy(ethyl-1,2-ethanediyl)]] (9CI)

CN Oxirane, methyl-, polymer with oxirane, mono[[bis(2-hydroxyethyl)amino]alkyl] ether, ether with methyloxirane polymer with oxirane (1:2), polymer with methyloxirane polymer with oxirane ether with .beta.-D-fructofuranosyl .alpha.-D-glucopyranoside, polymethylenepolyphenylene isocyanate and .alpha.,.alpha.',.alpha.''-1,2,3-propanetriyltris[.omega.-hydroxypoly[oxy(methyl-1,2-ethanediyl)]] (9CI)

CN Oxirane, polymer with methyloxirane, ether with .beta.-D-fructofuranosyl .alpha.-D-glucopyranoside, polymer with methyloxirane polymer with oxirane mono[[bis(2-hydroxyethyl)amino]alkyl] ether ether with methyloxirane polymer with oxirane (1:2), polymethylenepolyphenylene isocyanate and .alpha.,.alpha.',.alpha.''-1,2,3-propanetriyltris[.omega.-hydroxypoly[oxy(methyl-1,2-ethanediyl)]] (9CI)

CN Oxirane, polymer with methyloxirane, mono[[bis(2-hydroxyethyl)amino]alkyl] ether, ether with methyloxirane polymer with oxirane (1:2), polymer with methyloxirane polymer with oxirane ether with .beta.-D-fructofuranosyl .alpha.-D-glucopyranoside, polymethylenepolyphenylene isocyanate and .alpha.,.alpha.',.alpha.''-1,2,3-propanetriyltris[.omega.-hydroxypoly[oxy(methyl-1,2-ethanediyl)]] (9CI)

CN Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha.''-1,2,3-propanetriyltris[.omega.-hydroxy-, polymer with methyloxirane polymer with oxirane ether with .beta.-D-fructofuranosyl .alpha.-D-glucopyranoside, methyloxirane polymer with oxirane mono[[bis(2-hydroxyethyl)amino]alkyl] ether ether with methyloxirane polymer with oxirane (1:2), and polymethylenepolyphenylene isocyanate (9CI)

FS STEREOSEARCH

MF (C12 H22 O11 . (C3 H6 O)n (C3 H6 O)n (C3 H6 O)n C3 H8 O3 . x (C3 H6 O . C2 H4 O)x . Unspecified . Unspecified)x

CI PMS

PCT Manual component, Polyether, Polyether formed, Polyother, Polyurethane, Polyurethane formed

SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 172019-46-4

CMF Unspecified

CCI PMS, MAN

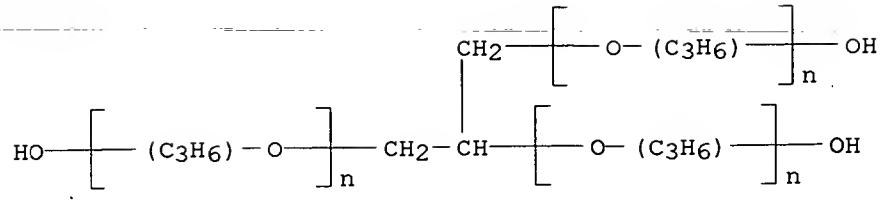
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 25791-96-2

CMF (C3 H6 O)n (C3 H6 O)n (C3 H6 O)n C3 H8 O3

CCI IDS, PMS



CM 3

CRN 9016-87-9
CMF Unspecified
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

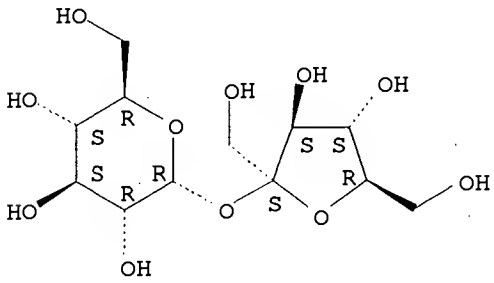
CM 4

CRN 52434-08-9
CMF C12 H22 O11 . x (C3 H6 O . C2 H4 O)x

CM 5

CRN 57-50-1
CMF C12 H22 O11

Absolute stereochemistry.

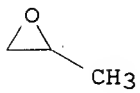


CM 6

CRN 9003-11-6
CMF (C3 H6 O . C2 H4 O)x
CCI PMS

CM 7

CRN 75-56-9
CMF C3 H6 O



CM 8

CRN 75-21-8
CMF C2 H4 O

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> d his

(FILE 'HOME' ENTERED AT 14:20:25 ON 21 SEP 2000)

FILE 'REGISTRY' ENTERED AT 14:20:30 ON 21 SEP 2000
L1 0 S ALKYLOLIGOGLYCOSIDE
L2 0 S OCTYLGLUCOPYRANOSIDE
L3 0 S OCTYLGLUCOPYRANOSIDE
E GLUCOPYRANOSIDE
L4 62241 S E3
L5 5790 S ALKYL
L6 2 S L4 AND L5

=> d l6 2

L6 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2000 ACS
RN 124860-37-3 REGISTRY
CN **.alpha.-D-Glucopyranoside, .beta.-D-fructofuranosyl, mixt. with alkylbenzyldimethylammonium chlorides (9CI)** (CA INDEX NAME)
MF C12 H22 O11 . Unspecified
CI MXS, MAN
SR CA
LC STN Files: CA, CAPLUS, TOXLIT

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> file ca

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	22.94	23.09

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FILE COVERS 1967 - 15 Sep 2000 VOL 133 ISS 13
FILE LAST UPDATED: 15 Sep 2000 (20000915/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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Now you can extend your author, patent assignee, patent information, and title searches back to 1907. The records from 1907-1966 now have this searchable data in CAOLD. You now have electronic access to all of CA: 1907 to 1966 in CAOLD and 1967 to the present in CA on STN.

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=> d his

     (FILE 'HOME' ENTERED AT 14:20:25 ON 21 SEP 2000)

     FILE 'REGISTRY' ENTERED AT 14:20:30 ON 21 SEP 2000
L1             0 S ALKYLOLIGOGLYCOSIDE
L2             0 S OCTYLGLUCOPYRANOSIDE
L3             0 S OCTYLGLUCOPYRANOSIDE
                 E GLUCOPYRANOSIDE
L4         62241 S E3
L5          5790 S ALKYL
L6             2 S L4 AND L5

     FILE 'CA' ENTERED AT 14:24:29 ON 21 SEP 2000

=> s l4

L7        95287 L4

=>

=> e alkyloligoglycosides

E1             3     ALKYLOLIGOGLUCOSIDES/BI
E2             1     ALKYLOLIGOGLYCOSIDE/BI
E3             3 --> ALKYLOLIGOGLYCOSIDES/BI
E4             1     ALKYLOLIGONUCLEOTIDE/BI
E5             1     ALKYLOLIGOOXYALKYLENE/BI
E6             3     ALKYLOLIGOOXYETHYLENE/BI
E7             2     ALKYLOLIGORIBO/BI
E8             4     ALKYLOLIGORIBONUCLEOTIDE/BI
E9             6     ALKYLOLIGORIBONUCLEOTIDES/BI
E10            1     ALKYLOLIGOSACCHARIDE/BI
E11            1     ALKYLOLIGOSILOXANES/BI
E12            1     ALKYLOLIGOSTYRENES/BI

=> s e1-e3 or e10

               3 ALKYLOLIGOGLUCOSIDES/BI
               1 ALKYLOLIGOGLYCOSIDE/BI
               3 ALKYLOLIGOGLYCOSIDES/BI
               1 ALKYLOLIGOSACCHARIDE/BI
L8             7 (ALKYLOLIGOGLUCOSIDES/BI OR ALKYLOLIGOGLYCOSIDE/BI OR
ALKYLOLIGO
                 GLYCOSIDES/BI) OR ALKYLOLIGOSACCHARIDE/BI

=> s l8 1-7

MISSING OPERATOR L8 1-7
The search profile that was entered contains terms or
```

nested terms that are not separated by a logical operator.

=> d l8 1-7

L8 ANSWER 1 OF 7 CA COPYRIGHT 2000 ACS
AN 127:96855 CA
TI Cleaning agents for hard surfaces
IN Hees, Udo; Kiewert, Eva; Eskuchen, Rainer
PA Henkel Kgaa, Germany
SO Ger. Offen., 7 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19648438	A1	19970612	DE 1996-19648438	19961122
PRAI	DE 1995-19545486		19951206		

L8 ANSWER 2 OF 7 CA COPYRIGHT 2000 ACS
AN 127:67678 CA
TI Emulsifying agents
IN Ansmann, Achim; Kawa, Rolf; Nitsche, Michael; Gondek, Helga
PA Henkel Kommanditgesellschaft Auf Aktien, Germany
SO PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9718033	A1	19970522	WO 1996-EP4840	19961106
	W: AU, BG, BR, BY, CA, CN, CZ, HU, IS, JP, KR, LT, LV, MX, NO, NZ, PL, RO, RU, SI, SK, UA				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	DE 19542572	A1	19970522	DE 1995-19542572	19951115
	DE 19542572	C2	19980520		
	DE 19636039	A1	19980312	DE 1996-19636039	19960905
	AU 9675658	A1	19970605	AU 1996-75658	19961106
	EP 804280	A1	19971105	EP 1996-938108	19961106
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE				
	JP 10512897	T2	19981208	JP 1996-518550	19961106
PRAI	DE 1995-19542572		19951115		
	DE 1996-19636039		19960905		
	WO 1996-EP4840		19961106		

L8 ANSWER 3 OF 7 CA COPYRIGHT 2000 ACS
AN 126:104359 CA
TI Preparation of **alkyloligoglucosides** having a high degree of oligomerization
IN Weuthen, Manfred
PA Henkel Kgaa, Germany
SO Ger. Offen., 5 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19519384	A1	19961128	DE 1995-19519384	19950526
	WO 9637501	A2	19961128	WO 1996-EP752	19960223

WO 9637501 A3 19970103
W: JP, US
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
EP 828747 A2 19980318 EP 1996-905784 19960223
R: DE, ES, FR, GB, IT, SE
JP 11505810 T2 19990525 JP 1996-535290 19960223
US 5955587 A 19990921 US 1997-952643 19971120
PRAI DE 1995-19519384 19950526
WO 1996-EP752 19960223
OS MARPAT 126:104359

L8 ANSWER 4 OF 7 CA COPYRIGHT 2000 ACS
AN 125:104236 CA
TI Structure and activity of sulfated alkyl oligosaccharide having potent anti-HIV activity
AU Katsuraya, Kaname; Uryu, Toshiyuki
CS Inst. Ind. Sci., Univ. Tokyo, Tokyo, 106, Japan
SO Seisan Kenkyu (1996), 48(3), 165-8
CODEN: SEKEAI; ISSN: 0037-105X
DT Journal
LA Japanese

L8 ANSWER 5 OF 7 CA COPYRIGHT 2000 ACS
AN 124:185097 CA
TI Product concepts and product improvements in hair cleaning and hair care
AU Ziolkowsky, Bernd
CS Verlag Chem. Ind. H. Ziolkowsky G.m.b.H., Augsburg, D-86150, Germany
SO SOFW J. (1995), 121(13), 973-4, 976, 979
CODEN: SOFJEE; ISSN: 0942-7694
DT Journal; General Review
LA German

L8 ANSWER 6 OF 7 CA COPYRIGHT 2000 ACS
AN 120:111460 CA
TI Base detergents for soap-free lubricants
IN Laufenberg, Alfred; Winkelmann, Birgit; Strothoff, Werner
PA Henkel KGaA, Germany
SO Ger. Offen., 8 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4206506	A1	19930909	DE 1992-4206506	19920302
	WO 9318121	A1	19930916	WO 1993-EP413	19930222
	W: CA, FI, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 629235	A1	19941221	EP 1993-904004	19930222
	EP 629235	B1	19951115		
	R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL				
	AT 130361	E	19951215	AT 1993-904004	19930222
	ES 2079966	T3	19960116	ES 1993-904004	19930222
	US 5565127	A	19961015	US 1994-295804	19941109
PRAI	DE 1992-4206506		19920302		
	WO 1993-EP413		19930222		

OS MARPAT 120:111460

L8 ANSWER 7 OF 7 CA COPYRIGHT 2000 ACS
AN 120:57047 CA
TI Two-stage distillation process for the removal of alcohols from **alkyloligoglycoside** mixtures
IN Carduck, Franz Josef; Esskuchen, Rainer

PA Henkel K.-G.a.A., Germany
SO Ger. Offen., 5 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 4140332	A1	19930609	DE 1991-4140332	19911206
DE 4140332	C2	19950907		
WO 9311143	A1	19930610	WO 1992-EP2750	19921127

W: BR, JP, US
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
PRAI DE 1991-4140332 19911206

=> d l8 1-7 all

L8 ANSWER 1 OF 7 CA COPYRIGHT 2000 ACS
AN 127:96855 CA
TI Cleaning agents for hard surfaces
IN Hees, Udo; Kiewert, Eva; Eskuchen, Rainer
PA Henkel Kgaa, Germany
SO Ger. Offen., 7 pp.
CODEN: GWXXBX
DT Patent
LA German
IC ICM C11D001-66
ICS C11D001-86
CC 46-6 (Surface Active Agents and Detergents)
Section cross-reference(s): 44
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 19648438	A1	19970612	DE 1996-19648438	19961122

PRAI DE 1995-19545486 19951206
AB The title compns., which can be adjusted without difficulty to the desired viscosity and provide adequate amts. of stable foams even in the presence of strong alkalies, contain the **alkyloligoglucosides** RO(G)p (R = branched C9-11 alkyl; G = glucose residue; p = 1.4-2.0). An aq. mixt. (pH 9.4) of C9-10-alkyloligoglucoside (d.p. 1.43) 7.0, ethoxylated (d.p. 8.50) C10-14 fatty alc. 2.0, diethoxylated C12-14 fatty alc. Na sulfate 2.0, coco fatty acids 0.4, and Na gluconate 1.0% was used to cleanse an artificially-soiled surface, giving a 58% remission in whiteness.
ST cleaning compn hard surface; oligoglucoside alkyl cleaning agent; glucoside oligomeric alkyl cleanser
IT Glycosides
RL: TEM (Technical or engineered material use); USES (Uses)
(alkyl oligoglycosides, C9-11; cleaning agents for hard surfaces)
IT Detergents
(cleaning compns.; cleaning agents for hard surfaces contg. **alkyloligoglucosides**)

L8 ANSWER 2 OF 7 CA COPYRIGHT 2000 ACS
AN 127:67678 CA
TI Emulsifying agents
IN Ansmann, Achim; Kawa, Rolf; Nitsche, Michael; Gondek, Helga
PA Henkel Kommanditgesellschaft Auf Aktien, Germany
SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2
DT Patent
LA German
IC ICM B01F017-00
ICS A61K007-00
CC 46-4 (Surface Active Agents and Detergents)
Section cross-reference(s): 62, 63
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9718033	A1	19970522	WO 1996-EP4840	19961106
	W: AU, BG, BR, BY, CA, CN, CZ, HU, IS, JP, KR, LT, LV, MX, NO, NZ, PL, RO, RU, SI, SK, UA				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	DE 19542572	A1	19970522	DE 1995-19542572	19951115
	DE 19542572	C2	19980520		
	DE 19636039	A1	19980312	DE 1996-19636039	19960905
	AU 9675658	A1	19970605	AU 1996-75658	19961106
	EP 804280	A1	19971105	EP 1996-938108	19961106
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE				
	JP 10512897	T2	19981208	JP 1996-518550	19961106

PRAI DE 1995-19542572 19951115
DE 1996-19636039 19960905
WO 1996-EP4840 19961106

AB The emulsifying agents contain 43-99 alkyl and/or alkenyl oligoglycosides and 1-57 wt.% fatty alcs. Optionally, the emulsifiers also contain hydrophilic waxes. Prepn. of the emulsifiers involves (1) conventional acidic acetalization of glucose and excess fatty alc. and (2) adjusting of the amts. of **alkyloligoglycosides** and excess fatty alcs. in the resulting mixt. either by removing the fatty acids by distn. or by adding the glycosides to a desired level. The emulsifying agents are particularly suitable for producing storage-stable, high-viscosity oil-in-water emulsions of a light feel, esp. for cosmetics and pharmaceuticals.

ST emulsifier glycoside fatty alc

IT Glycosides
RL: NUU (Nonbiological use, unclassified); USES (Uses)
(alkyl oligoglycosides; in emulsifier)

IT Emulsifying agents
(glycoside-fatty alc. mixt.)

IT Alcohols, uses
RL: NUU (Nonbiological use, unclassified); USES (Uses)
(guerbet; in emulsifier)

IT C16-18 alcohols
RL: NUU (Nonbiological use, unclassified); USES (Uses)
(in emulsifier)

IT Glycerides, uses
RL: NUU (Nonbiological use, unclassified); USES (Uses)
(palm, hydrogenated; in emulsifier)

IT 25191-16-6D, Polyglucose, cetearyl ethers 27458-93-1, Isostearyl alcohol
RL: NUU (Nonbiological use, unclassified); USES (Uses)
(in emulsifier)

L8 ANSWER 3 OF 7 CA COPYRIGHT 2000 ACS
AN 126:104359 CA
TI Preparation of **alkyloligoglucosides** having a high degree of oligomerization
IN Weuthen, Manfred
PA Henkel Kgaa, Germany
SO Ger. Offen., 5 pp.

CODEN: GWXXBX
DT Patent
LA German
IC ICM C07H003-06
ICS C07C031-125; C07H001-00; B01J027-053; B01J031-02
CC 33-4 (Carbohydrates)
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 19519384	A1	19961128	DE 1995-19519384	19950526
WO 9637501	A2	19961128	WO 1996-EP752	19960223
WO 9637501	A3	19970103		
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 828747	A2	19980318	EP 1996-905784	19960223
R: DE, ES, FR, GB, IT, SE				
JP 11505810	T2	19990525	JP 1996-535290	19960223
US 5955587	A	19990921	US 1997-952643	19971120

PRAI DE 1995-19519384 19950526
WO 1996-EP752 19960223
OS MARPAT 126:104359
AB **Alkyloligoglucosides** were prepd. by reaction of glucose with C6-C22 alkanols at 90-120.degree. in the presence of an acid catalyst. The degree of oligomerization was increased by continuously distg. off water formed in the reaction, neutralizing the catalyst, sepg. unreacted alc., and lowering the temp. at the end of the reaction. In the reaction using glucose and dodecanol in the presence of dodecylbenzenesulfonic acid with distn. of water and other improvements, the product mixt. contained mono- 37.3, di- 20.1, tri- 12.8, tetra- 9.5, penta- 8.5, and hexaglucoside 4.7%, compared with 51.9, 16.7, 8.9, 7.2, 3.7, and 1.8%, resp., for a comparison example.
ST oligoglucoside alkyl prepn; glucoside oligo prepn
IT Oligomerization
(prepn. of **alkyloligoglucosides** having high degree of oligomerization)
IT 25191-16-6P, Polyglucose
RL: BYP (Byproduct); PREP (Preparation)
(prepn. of **alkyloligoglucosides** having high degree of oligomerization)
IT 27176-87-0, Dodecylbenzenesulfonic acid
RL: CAT (Catalyst use); USES (Uses)
(prepn. of **alkyloligoglucosides** having high degree of oligomerization)
IT 50-99-7, D-Glucose, reactions 112-53-8, 1-Dodecanol
RL: RCT (Reactant)
(prepn. of **alkyloligoglucosides** having high degree of oligomerization)
IT 59122-55-3P, Lauryl monoglucoside 140486-55-1P 140632-83-3P 148278-13-1P 185832-16-0P 185860-77-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of **alkyloligoglucosides** having high degree of oligomerization)

L8 ANSWER 4 OF 7 CA COPYRIGHT 2000 ACS
AN 125:104236 CA
TI Structure and activity of sulfated alkyl oligosaccharide having potent anti-HIV activity
AU Katsuraya, Kaname; Uryu, Toshiyuki
CS Inst. Ind. Sci., Univ. Tokyo, Tokyo, 106, Japan
SO Seisan Kenkyu (1996), 48(3), 165-8
CODEN: SEKEAI; ISSN: 0037-105X

DT Journal
LA Japanese
CC 1-3 (Pharmacology)
Section cross-reference(s): 33
AB Hydrolysis in dil. HCl/DMSO of curdlan gave mixt. of laminari-oligosaccharides, which by column chromatog. with charcoal/EtOH-H2O gave laminaritetraose (I). Biochem. selective anal. by enzyme of curdlan gave laminaripentaose (II). Treatment of pure I with AcOK/Ac2O gave peracylated laminearitetraoside (III) (.beta./.alpha. ratio 3.2-3.8), which with alkyl alcs. by SnCl4 catalyst gave peracetylated alkyl laminaritetraosides, V, VI, VII and VIII in 45, 55, 54 and 28 % yields, resp. Similarly, pure II gave peracetylated laminaripentaoside (IV), which with alkyl alcs. similarly gave peracetylated alkyl laminaripentasoides IX, X, XI, XII and XIII in 50, 54, 47, 55 and 70% yields, resp. Sulfated alkyl laminaritetraosides XIV, XV, XVI and XVII were synthesized by treatment of, V, VI, VII and VIII treated with NaOMe/MeOH, with N-SO3/Pyridine. Similarly, sulfated alkyl laminaripentaosides XVIII, XIX, XX and XXII were synthesized. The anti-HIV activity of XIV-XXII was measured by using curdlan sulfate as ref. The anti-HIV activity of XIV-XVII decreased with shortening of alkyl portion under 8 of carbonic no. EC50 value of XIV and XV was 24 and 14 .mu.g/mL, resp. EC50 value of XVI and XVII was 3.2 and 3.3 .mu.g/mL, resp., which was significantly lower than that of XVIII-XXII, resp. Structure of laminarioligosaccharides having more than pentasacharides was important for high potent anti-HIV activity. XVIII and XIC having (+)-2-octyl and (-)-2-octyl portion, esp., both showed similar anti-HIV activity. Cytotoxic effect of all compds. tested was low. Usefulness of laminaripentaosides is discussed as anti-HIV active agents.
ST sulfated **alkyloligosaccharide** structure HIV virucide
IT Molecular structure-biological activity relationship
Virucides and Virustats
(structure and activity of sulfated alkyl oligosaccharide having potent
anti-HIV activity)
IT Oligosaccharides
RL: BAC (Biological activity or effector, except adverse); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(structure and activity of sulfated alkyl oligosaccharide having potent
anti-HIV activity)
IT Virus, animal
(human immunodeficiency 1, structure and activity of sulfated alkyl oligosaccharide having potent anti-HIV activity)
IT 23743-55-7P, Laminaripentaose 26212-72-6P, Laminaritetraose
178937-36-5P 178937-37-6P 178937-38-7P 178937-39-8P 178937-40-1P
178937-41-2P 178937-42-3P 178937-43-4P 178937-44-5P 178937-45-6P
178937-46-7P 178937-47-8P 178937-48-9P 178937-49-0P 178937-50-3P
178937-51-4P 179090-56-3P 179090-57-4P
RL: BAC (Biological activity or effector, except adverse); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(structure and activity of sulfated alkyl oligosaccharide having potent
anti-HIV activity)
IT 54724-00-4, Curdlan
RL: RCT (Reactant)
(structure and activity of sulfated alkyl oligosaccharide having potent
anti-HIV activity)

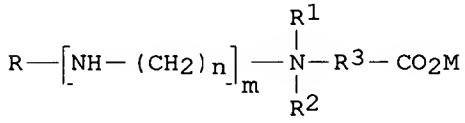
L8 ANSWER 5 OF 7 CA COPYRIGHT 2000 ACS

AN 124:185097 CA
TI Product concepts and product improvements in hair cleaning and hair care
AU Ziolkowsky, Bernd
CS Verlag Chem. Ind. H. Ziolkowsky G.m.b.H., Augsburg, D-86150, Germany
SO SOFW J. (1995), 121(13), 973-4, 976, 979
CODEN: SOFJEE; ISSN: 0942-7694
DT Journal; General Review
LA German
CC 62-0 (Essential Oils and Cosmetics)
AB A review with 11 refs. on the new developments of hair products is given. For the improvement of hair care **alkyloligoglucosides**, ester units and natural triglycerides with a high content of unsatd. fatty acids are recommended.
ST review hair care cleaning improvement
IT Hair preparations
(improvements in hair cleaning and hair care)

L8 ANSWER 6 OF 7 CA COPYRIGHT 2000 ACS
AN 120:111460 CA
TI Base detergents for soap-free lubricants
IN Laufenberg, Alfred; Winkelmann, Birgit; Strothoff, Werner
PA Henkel KGaA, Germany
SO Ger. Offen., 8 pp.
CODEN: GWXXBX
DT Patent
LA German
IC ICM C10M169-04
ICS C10M173-02; C11D001-66; B08B003-04; B65G045-08
ICI C10M169-04, C10M133-00, C10M129-16, C10M105-60; C10N040-04, C10N030-04, C10N030-18
CC 51-8 (Fossil Fuels, Derivatives, and Related Products)
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 4206506	A1	19930909	DE 1992-4206506	19920302
WO 9318121	A1	19930916	WO 1993-EP413	19930222
W: CA, FI, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 629235	A1	19941221	EP 1993-904004	19930222
EP 629235	B1	19951115		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL				
AT 130361	E	19951215	AT 1993-904004	19930222
ES 2079966	T3	19960116	ES 1993-904004	19930222
US 5565127	A	19961015	US 1994-295804	19941109

PRAI DE 1992-4206506 19920302
WO 1993-EP413 19930222
OS MARPAT 120:111460
GI



I

AB The lubricants for use in the food and beverage industries, esp. for chain and conveyor system lubrication, are based on the amphoteric compds. alkyldimethylaminoxides and **alkyloligoglycosides** contg. primary, secondary, and/or tertiary amines and/or salts of amines I, R4-NH-R5,

R4-N+H2-R5X-, R4-NH-(CH2)3NH2, R4-NH-(CH2)3N+H3X-, R4-N+H2-(CH2)3N+H32X-, R4-NR7R8, and/or R4-N+HR7R8X-; where R is a linear of branched C6-22 alkyl group; R1 is H, C1-4 alkyl or hydroxyalkyl group or the remnant -R3COOM; R2 occurs only when M is neg. and is H, C1-4 alkyl or hydroxyalkyl group; R3 is a C1-12 alkyl group; R4 is a C6-22 alkyl group, a Ph remnant contg. a C6-22 alkyl group; R5 is H or a R4; R6 is H or a substituted C1-20 alkyl group or a C2-20 alkenyl group, and R7 and R8 are independently substituted C1-20 alkyl or C2-20 alkenyl groups or a Ph remnant contg. a C1-20 alkyl group; M is H, alkali metal, ammonium, a C1-4 alkyl group, a benzyl remnant, or a neg. charge; n is an integer of 1-12, m is an integer of 0-5; and l is an integer of 0-5. The lubricants have a friction value of 0.1-0.12 or less; provide lubrication, cleaning, and disinfection; do not react with PET bottles; are compatible with water of all hardnesses; and are esp. suitable for mixed glass-PET use.

ST nonionic detergent food grade lubricant

IT Beverages
Lubricants
(nonionic detergent-based lubricants for use in food and beverage industries)

IT Food
(nonionic detergent-based lubricants for use in industries processing)

IT 34689-88-8D, alkylated coco oil derivs. 60077-07-8D, coco oil derivs. 152698-21-0D, coco oil derivs.
RL: USES (Uses)
(detergent, nonionic detergent-based lubricants from, for use in food and beverage industries)

L8 ANSWER 7 OF 7 CA COPYRIGHT 2000 ACS

AN 120:57047 CA

TI Two-stage distillation process for the removal of alcohols from **alkyloligoglycoside** mixtures

IN Carduck, Franz Josef; Esskuchen, Rainer

PA Henkel K.-G.a.A., Germany

SO Ger. Offen., 5 pp.
CODEN: GWXXBX

DT Patent

LA German

IC ICM C07H015-04
ICS C07H001-06; C07C029-80

CC 44-6 (Industrial Carbohydrates)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4140332	A1	19930609	DE 1991-4140332	19911206
	DE 4140332	C2	19950907		
	WO 9311143	A1	19930610	WO 1992-EP2750	19921127

W: BR, JP, US
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

PRAI DE 1991-4140332 19911206

AB The process comprises decreasing the alc. content of the mixts. in a 1st stage to <50 wt.%, and in a 2nd stage to <1 wt.% with the use of a screw flight evaporator. The 1st stage may be preformed in a falling-film evaporator, and the 2nd process may be carried out in the presence of soda, Na2SO4 or Na aluminosilicate. The resulting **alkyloligoglycosides** have improved color.

ST evaporator alc evapn **alkyloligoglycoside**; falling film evaporator alc evapn; screw evaporator alc evapn

IT Distillation
(2-stage, for removal of alcs. from **alkyloligoglycosides**)

IT Alcohols, miscellaneous

RL: REM (Removal or disposal); PROC (Process)
(C4-22, removal of, from **alkyloligoglycoside** mixts., two-stage distn. process for)
IT Evaporators
(falling-film, removal with, first-stage, of alcs., from **alkyloligoglycoside** mixts., two-stage distn. process for)
IT Glycosides
RL: USES (Uses)
(oligo-, alkyl, alc. removal from, two-stage distn. process for)
IT Evaporators
(screw, removal with falling-film evaporator and, of alcs., from **alkyloligoglycoside** mixts., two-stage distn. process for)
IT 497-19-8, Sodium carbonate, uses 1344-00-9, Sodium aluminosilicate 7757-82-6, Sodium sulfate, uses
RL: USES (Uses)
(removal in presence of, of alcs. from **alkyloligoglycoside** mixts.)

```
=> d his

     (FILE 'HOME' ENTERED AT 14:20:25 ON 21 SEP 2000)

     FILE 'REGISTRY' ENTERED AT 14:20:30 ON 21 SEP 2000
L1            0 S ALKYLOLIGOGLYCOSIDE
L2            0 S OCTYLGLUCOPYRANOSIDE
L3            0 S OCTYLGLUCOPYRANOSIDE
                E GLUCOPYRANOSIDE
L4        62241 S E3
L5         5790 S ALKYL
L6            2 S L4 AND L5

     FILE 'CA' ENTERED AT 14:24:29 ON 21 SEP 2000
L7        95287 S L4
                E ALKYLOLIGOGLYCOSIDES
L8            7 S E1-E3 OR E10

=> e oligoglycosides

E1            1     OLIGOGLYCOSIDASES/BI
E2          200     OLIGOGLYCOSIDE/BI
E3          350 --> OLIGOGLYCOSIDES/BI
E4            4     OLIGOGLYCOSIDIC/BI
E5            1     OLIGOGLYCOSPHINGOLIPIDS/BI
E6           33     OLIGOGLYCOSYL/BI
E7            2     OLIGOGLYCOSYLALDITOL/BI
E8            7     OLIGOGLYCOSYLALDITOLS/BI
E9            1     OLIGOGLYCOSYLAMINE/BI
E10           1     OLIGOGLYCOSYLAMINES/BI
E11           1     OLIGOGLYCOSYLCERAMIDE/BI
E12           5     OLIGOGLYCOSYLCERAMIDES/BI

=> s e2-e4

            200 OLIGOGLYCOSIDE/BI
            350 OLIGOGLYCOSIDES/BI
              4 OLIGOGLYCOSIDIC/BI
L9          415 (OLIGOGLYCOSIDE/BI OR OLIGOGLYCOSIDES/BI OR OLIGOGLYCOSIDIC/BI)

=> s viral or virus or hiv or herpes

          87438 VIRAL
```

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        222284 VIRUS
         32572 HIV
         17533 HERPES
L10     239284 VIRAL OR VIRUS OR HIV OR HERPES

=> s l9 and l10

L11           3 L9 AND L10

=> d l11 l-3

'L-3' IS NOT A VALID FORMAT FOR FILE 'CA'

The following are valid formats:

ABS --------- GI and AB
ALL --------- BIB, AB, IND, RE
APPS -------- AI, PRAI
BIB --------- AN, plus Bibliographic Data and PI table (default)
CAN --------- List of CA abstract numbers without answer numbers
CBIB -------- AN, plus Compressed Bibliographic Data
DALL -------- ALL, delimited (end of each field identified)
DMAX -------- MAX, delimited for post-processing
FAM --------- AN, PI and PRAI in table, plus Patent Family data
FBIB -------- AN, BIB, plus Patent FAM
IND --------- Indexing data
IPC --------- International Patent Classifications
MAX --------- ALL, plus Patent FAM, RE
PATS -------- PI, SO
SAM --------- CC, SX, TI, ST, IT
SCAN -------- CC, SX, TI, ST, IT (random display, no answer numbers;
              SCAN must be entered on the same line as the DISPLAY,
              e.g., D SCAN or DISPLAY SCAN)
STD --------- BIB, IPC, and NCL

IABS -------- ABS, indented with text labels
IALL -------- ALL, indented with text labels
IBIB -------- BIB, indented with text labels
IMAX -------- MAX, indented with text labels
ISTD -------- STD, indented with text labels

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

HIT --------- Fields containing hit terms
HITIND ------ IC, ICA, ICI, NCL, CC and index field (ST and IT)
              containing hit terms
HITRN ------- HIT RN and its text modification
HITSTR ------ HIT RN, its text modification, its CA index name, and
              its structure diagram
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
              its structure diagram
KWIC -------- Hit term plus 20 words on either side
OCC --------- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field
codes.  For a list of the display field codes, enter HELP DFIELDS at
an arrow prompt (=>).  Examples of formats include: TI; TI,AU; BIB,ST;
TI,IND; TI,SO.  You may specify the format fields in any order and the
information will be displayed in the same order as the format
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specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.
ENTER DISPLAY FORMAT (BIB):3

'3' IS NOT A VALID FORMAT FOR FILE 'CA'

The following are valid formats:

ABS --------- GI and AB
ALL --------- BIB, AB, IND, RE
APPS -------- AI, PRAI
BIB --------- AN, plus Bibliographic Data and PI table (default)
CAN --------- List of CA abstract numbers without answer numbers
CBIB -------- AN, plus Compressed Bibliographic Data
DALL -------- ALL, delimited (end of each field identified)
DMAX -------- MAX, delimited for post-processing
FAM --------- AN, PI and PRAI in table, plus Patent Family data
FBIB -------- AN, BIB, plus Patent FAM
IND --------- Indexing data
IPC --------- International Patent Classifications
MAX --------- ALL, plus Patent FAM, RE
PATS -------- PI, SO
SAM --------- CC, SX, TI, ST, IT
SCAN -------- CC, SX, TI, ST, IT (random display, no answer numbers; SCAN must be entered on the same line as the DISPLAY, e.g., D SCAN or DISPLAY SCAN)
STD --------- BIB, IPC, and NCL

IABS -------- ABS, indented with text labels
IALL -------- ALL, indented with text labels
IBIB -------- BIB, indented with text labels
IMAX -------- MAX, indented with text labels
ISTD -------- STD, indented with text labels

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

HIT --------- Fields containing hit terms
HITIND ------ IC, ICA, ICI, NCL, CC and index field (ST and IT) containing hit terms
HITRN ------- HIT RN and its text modification
HITSTR ------ HIT RN, its text modification, its CA index name, and its structure diagram
FHITSTR ----- First HIT RN, its text modification, its CA index name, and its structure diagram
KWIC -------- Hit term plus 20 words on either side
OCC --------- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, KWIC, and OCC) may be used with DISPLAY ACC to view a

specified Accession Number.
ENTER DISPLAY FORMAT (BIB):all

L11 ANSWER 1 OF 3 CA COPYRIGHT 2000 ACS
AN 123:33580 CA
TI Preparation of sulfated and acylated **oligoglycosides** as virucides.
IN Shoji, Tadao; Kasai, Akira; Misumi, Osamu; Ikushima, Naoya; Yamamoto, Naoki; Nakashima, Hideki; Inazawa, Kazuhiko; Takahashi, Nahoko
PA Dainippon Ink Chemical Industry Co., Japan
SO Eur. Pat. Appl., 47 pp.
CODEN: EPXXDW
DT Patent
LA English
IC ICM C07H017-065
ICS C07H015-203; C07H015-04; C08B037-00; A61K031-70
CC 33-4 (Carbohydrates)
Section cross-reference(s): 1, 63
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 606882	A1	19940720	EP 1994-100286	19940111
R: CH, DE, FR, GB, LI				
JP 06256373	A2	19940913	JP 1993-327070	19931224
US 5459257	A	19951017	US 1994-179623	19940107
PRAI JP 1993-2566	19930111			

AB Sulfated, acylated **oligoglycosides** made up of 1 or 2 kinds of monosaccharide units and in which oligosaccharide the H atom in the OH group at the 1-position of a reducing end sugar of the oligosaccharide has been substituted with an aglycon selected from alkyl, aralkyl, aralkoxy, and tocopheryl groups, and from 12 to 80 % of the residual hydroxyl groups in the oligosaccharide have been acylated with aliph. or arom. acyl groups, and 88 to 20 % thereof have been sulfated; with the proviso that compds. wherein the aglycon is an alkyl group and the acyl group is an aliph. acyl group are excluded, were prepd. Thus, laminaripentaose was converted to O-sulfated n-dodecyl O-benzoyl-.beta.-D-laminaripentaoside (I) by successive peracetylation with Ac2O/NaOAc, glycosidation with n-dodecanol, deacetylation with NaOMe, acylation with PhCOCl/pyridine, and sulfation with SO3.pyridine. Title compds. showed anti-**HIV** activity in MT-4 cells with EC50 = 0.4-20.6 .mu.g/mL. I tablet formulations are given.
ST **oligoglycoside** sulfated acylated prepn virucide; **hiv** virucide sulfated acylated **oligoglycoside**
IT Virucides and Virustats
(prepn. of sulfated and acylated **oligoglycosides** as virucides)
IT Glycosides
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of sulfated and acylated **oligoglycosides** as virucides)
IT 141704-74-7DP, sulfated, acylated 141790-12-7DP, sulfated, acylated
145703-23-7DP, sulfated, acylated 145703-25-9DP, sulfated, acylated
150396-27-3DP, sulfated, acylated 150396-36-4DP, sulfated, acylated
162736-36-9DP, sulfated, acylated 162736-37-0DP, sulfated, acylated
162736-38-1DP, sulfated, acylated 162736-39-2DP, sulfated, acylated
162736-40-5DP, sulfated, acylated 162736-41-6DP, sulfated, acylated
162736-44-9DP, sulfated, acylated 162736-45-0DP, sulfated, acylated

162736-53-0DP, sulfated, acylated 162736-53-0P 162762-10-9DP, sulfated, acylated 162762-11-0DP, sulfated, acylated
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of sulfated and acylated **oligoglycosides** as virucides)

IT 98-88-4, Benzoyl chloride 111-64-8, n-Octanoyl chloride 112-16-3, n-Dodecanoyl chloride 112-67-4, Hexadecanoyl chloride 141-75-3, Butyryl chloride 403-43-0, 4-Fluorobenzoyl chloride 10191-41-0, DL-..alpha..-Tocopherol 23743-55-7, Laminaripentaose 49763-65-7, 4-Pentylbenzoyl chloride 72482-64-5, 2,4-DiFluorobenzoyl chloride
RL: RCT (Reactant)
(prepn. of sulfated and acylated **oligoglycosides** as virucides)

IT 49587-44-2P 141704-74-7P 141790-12-7P 145703-24-8P 145703-25-9P 150396-27-3P 150396-36-4P 151293-08-2P 162736-36-9P 162736-37-0P 162736-38-1P 162736-39-2P 162736-40-5P 162736-41-6P 162736-44-9P 162736-45-0P 162736-47-2P 162736-48-3P 162736-49-4P 162736-50-7P 162736-51-8P 162736-52-9P 162762-10-9P 162762-11-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of sulfated and acylated **oligoglycosides** as virucides)

=> d his

(FILE 'HOME' ENTERED AT 14:20:25 ON 21 SEP 2000)

FILE 'REGISTRY' ENTERED AT 14:20:30 ON 21 SEP 2000
L1 0 S ALKYLOLIGOGLYCOSIDE
L2 0 S OCTYLGLUCOPYRANOSIDE
L3 0 S OCTYLGLUCOPYRANOSIDE
E GLUCOPYRANOSIDE
L4 62241 S E3
L5 5790 S ALKYL
L6 2 S L4 AND L5

FILE 'CA' ENTERED AT 14:24:29 ON 21 SEP 2000
L7 95287 S L4
E ALKYLOLIGOGLYCOSIDES
L8 7 S E1-E3 OR E10
E OLIGOGLYCOSIDES
L9 415 S E2-E4
L10 239284 S VIRAL OR VIRUS OR HIV OR HERPES
L11 3 S L9 AND L10

=> d l11 1-3

L11 ANSWER 1 OF 3 CA COPYRIGHT 2000 ACS
AN 123:33580 CA
TI Preparation of sulfated and acylated **oligoglycosides** as virucides.
IN Shoji, Tadao; Kasai, Akira; Misumi, Osamu; Ikushima, Naoya; Yamamoto, Naoki; Nakashima, Hideki; Inazawa, Kazuhiko; Takahashi, Nahoko
PA Dainippon Ink Chemical Industry Co., Japan
SO Eur. Pat. Appl., 47 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 606882	A1	19940720	EP 1994-100286	19940111
	R: CH, DE, FR, GB, LI				
	JP 06256373	A2	19940913	JP 1993-327070	19931224
	US 5459257	A	19951017	US 1994-179623	19940107
PRAI	JP 1993-2566	19930111			

L11 ANSWER 2 OF 3 CA COPYRIGHT 2000 ACS
AN 119:135660 CA
TI Astragalosides from Egyptian Astragalus spinosus Vahl
AU Abdallah, Rokia M.; Ghazy, Nabila M.; El-Sebakhy, Nadia A.; Pirillo, Angela; Verotta, Luisella
CS Fac. Pharm., Univ. Alexandria, Egypt
SO Pharmazie (1993), 48(6), 452-4
CODEN: PHARAT; ISSN: 0031-7144
DT Journal
LA English

L11 ANSWER 3 OF 3 CA COPYRIGHT 2000 ACS
AN 117:70254 CA
TI Preparation of **oligoglycoside** sulfates as antiviral agents and pharmaceutical compositions containing them.
IN Shoji, Tadao; Takahashi, Nahoko; Ikushima, Naoya; Katsuraya, Kaname; Uryu, Toshiyuki; Yoshida, Takashi; Nishihashi, Hideji; Yamamoto, Naoki; Nakashima, Hideki; Shigeta, Shiro
PA Dainippon Ink Chemical Industry Co., Japan
SO PCT Int. Appl., 86 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9203453	A1	19920305	WO 1991-JP1122	19910823
	W: AU, CA, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
	CA 2071915	AA	19920224	CA 1991-2071915	19910823
	AU 9183346	A1	19920317	AU 1991-83346	19910823
	AU 644895	B2	19931223		
	EP 497988	A1	19920812	EP 1991-914756	19910823
	R: CH, DE, FR, GB, IT, LI				
	JP 05078382	A2	19930330	JP 1991-211833	19910823
PRAI	JP 1990-222187	19900823			
	JP 1990-228306	19900831			
	JP 1990-228307	19900831			
	JP 1990-235649	19900907			
	JP 1990-335713	19901130			
	JP 1991-99050	19910430			
	JP 1991-211833	19910823			
	WO 1991-JP1122	19910823			

=> d l11 1-3 all

L11 ANSWER 1 OF 3 CA COPYRIGHT 2000 ACS
AN 123:33580 CA
TI Preparation of sulfated and acylated **oligoglycosides** as virucides.
IN Shoji, Tadao; Kasai, Akira; Misumi, Osamu; Ikushima, Naoya; Yamamoto, Naoki; Nakashima, Hideki; Inazawa, Kazuhiko; Takahashi, Nahoko

PA Dainippon Ink Chemical Industry Co., Japan
SO Eur. Pat. Appl., 47 pp.
CODEN: EPXXDW
DT Patent
LA English
IC ICM C07H017-065
ICS C07H015-203; C07H015-04; C08B037-00; A61K031-70
CC 33-4 (Carbohydrates)
Section cross-reference(s): 1, 63
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 606882	A1	19940720	EP 1994-100286	19940111
R: CH, DE, FR, GB, LI				
JP 06256373	A2	19940913	JP 1993-327070	19931224
US 5459257	A	19951017	US 1994-179623	19940107

PRAI JP 1993-2566 19930111

AB Sulfated, acylated **oligoglycosides** made up of 1 or 2 kinds of monosaccharide units and in which oligosaccharide the H atom in the OH group at the 1-position of a reducing end sugar of the oligosaccharide has been substituted with an aglycon selected from alkyl, aralkyl, aralkoxy, and tocopheryl groups, and from 12 to 80 % of the residual hydroxyl groups in the oligosaccharide have been acylated with aliph. or arom. acyl groups, and 88 to 20 % thereof have been sulfated; with the proviso that compds. wherein the aglycon is an alkyl group and the acyl group is an aliph. acyl group are excluded, were prepd. Thus, laminaripentaose was converted to O-sulfated n-dodecyl O-benzoyl-.beta.-D-laminaripentaoside (I) by successive peracetylation with Ac2O/NaOAc, glycosidation with n-dodecanol, deacetylation with NaOMe, acylation with PhCOCl/pyridine, and sulfation with SO3.pyridine. Title compds. showed anti-**HIV** activity in MT-4 cells with EC50 = 0.4-20.6 .mu.g/mL. I tablet formulations are given.

ST **oligoglycoside** sulfated acylated prepn virucide; **hiv** virucide sulfated acylated **oligoglycoside**

IT Virucides and Virustats
(prepn. of sulfated and acylated **oligoglycosides** as virucides)

IT Glycosides
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of sulfated and acylated **oligoglycosides** as virucides)

IT 141704-74-7DP, sulfated, acylated 141790-12-7DP, sulfated, acylated 145703-23-7DP, sulfated, acylated 145703-25-9DP, sulfated, acylated 150396-27-3DP, sulfated, acylated 150396-36-4DP, sulfated, acylated 162736-36-9DP, sulfated, acylated 162736-37-0DP, sulfated, acylated 162736-38-1DP, sulfated, acylated 162736-39-2DP, sulfated, acylated 162736-40-5DP, sulfated, acylated 162736-41-6DP, sulfated, acylated 162736-44-9DP, sulfated, acylated 162736-45-0DP, sulfated, acylated 162736-53-0DP, sulfated, acylated 162736-53-0P 162762-10-9DP, sulfated, acylated 162762-11-0DP, sulfated, acylated
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of sulfated and acylated **oligoglycosides** as virucides)

IT 98-88-4, Benzoyl chloride 111-64-8, n-Octanoyl chloride 112-16-3, n-Dodecanoyl chloride 112-67-4, Hexadecanoyl chloride 141-75-3, Butyryl chloride 403-43-0, 4-Fluorobenzoyl chloride 10191-41-0,

DL-..alpha..-Tocopherol 23743-55-7, Laminaripentaose 49763-65-7, 4-Pentylbenzoyl chloride 72482-64-5, 2,4-DiFluorobenzoyl chloride
RL: RCT (Reactant)
(prepn. of sulfated and acylated **oligoglycosides** as virucides)

IT 49587-44-2P 141704-74-7P 141790-12-7P 145703-24-8P 145703-25-9P 150396-27-3P 150396-36-4P 151293-08-2P 162736-36-9P 162736-37-0P 162736-38-1P 162736-39-2P 162736-40-5P 162736-41-6P 162736-44-9P 162736-45-0P 162736-47-2P 162736-48-3P 162736-49-4P 162736-50-7P 162736-51-8P 162736-52-9P 162762-10-9P 162762-11-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of sulfated and acylated **oligoglycosides** as virucides)

L11 ANSWER 2 OF 3 CA COPYRIGHT 2000 ACS
AN 119:135660 CA
TI Astragalosides from Egyptian Astragalus spinosus Vahl
AU Abdallah, Rokia M.; Ghazy, Nabila M.; El-Sebakhy, Nadia A.; Pirillo, Angela; Verotta, Luisella
CS Fac. Pharm., Univ. Alexandria, Egypt
SO Pharmazie (1993), 48(6), 452-4
CODEN: PHARAT; ISSN: 0031-7144
DT Journal
LA English
CC 11-1 (Plant Biochemistry)
Section cross-reference(s): 1, 30, 33
AB Four cycloartane triterpene **oligoglycosides** were isolated from the butanol ext. of the aerial parts of A. spinosus (Leguminosae). They were identified as astragaloside I , isoastragaloside I , astragaloside IV and cycloastragenol 6-O-glucoside on the basis of comparing their m.p.'s, 1H NMR and 13C NMR spectra and chromatog. patterns with the data given in the literature. The results of AIDS antiviral and antitumor screening of the major component, astragaloside II , are discussed.
ST Astragalus astragaloside
IT Neoplasm inhibitors
(astragaloside II from Astragalus spinosus as)
IT Virucides and Virustats
(astragaloside II from Astragalus spinosus as, against AIDS)
IT Astragalus spinosus
(astragalosides from)
IT **Virus**, animal
(human immunodeficiency 1, astragaloside II from Astragalus spinosus activity against)
IT Glycosides
RL: BIOL (Biological study)
(triterpenoid, cycloartane, from Astragalus spinosus)
IT 83207-61-8, Cycloastragenol 6-O-glucoside 84676-88-0, Isoastragaloside I 84676-89-1, Astragaloside II 84680-75-1 84687-43-4
RL: BIOL (Biological study)
(from Astragalus spinosus, isolation and structure of)

L11 ANSWER 3 OF 3 CA COPYRIGHT 2000 ACS
AN 117:70254 CA
TI Preparation of **oligoglycoside** sulfates as antiviral agents and pharmaceutical compositions containing them.
IN Shoji, Tadao; Takahashi, Nahoko; Ikushima, Naoya; Katsuraya, Kaname; Uryu, Toshiyuki; Yoshida, Takashi; Nishihashi, Hideji; Yamamoto, Naoki; Nakashima, Hideki; Shigeta, Shiro
PA Dainippon Ink Chemical Industry Co., Japan
SO PCT Int. Appl., 86 pp.

CODEN: PIXXD2
DT Patent
LA Japanese
IC ICM C07H015-04
ICS A61K031-70
CC 33-3 (Carbohydrates)
Section cross-reference(s): 1, 63
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9203453	A1	19920305	WO 1991-JP1122	19910823
	W: AU, CA, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
	CA 2071915	AA	19920224	CA 1991-2071915	19910823
	AU 9183346	A1	19920317	AU 1991-83346	19910823
	AU 644895	B2	19931223		
	EP 497988	A1	19920812	EP 1991-914756	19910823
	R: CH, DE, FR, GB, IT, LI				
	JP 05078382	A2	19930330	JP 1991-211833	19910823

PRAI JP 1990-222187 19900823
JP 1990-228306 19900831
JP 1990-228307 19900831
JP 1990-235649 19900907
JP 1990-335713 19901130
JP 1991-99050 19910430
JP 1991-211833 19910823
WO 1991-JP1122 19910823

AB The title compds. with .gtoreq.14.3% sulfation and their pharmaceutically acceptable salts are prepd. Crude peracetyl-.beta.-D-maltopentaose (prepn. given) was reacted with n-decanol in CH2Cl2 contg. SnCl4 at room temp. for 40 h to give dodecyl peracetyl-.beta.-D-maltopentaoside, which was deacetylated with NaOMe-MeOH and then sulfated with piperidine sulfate to give sulfated dodecyl .beta.-D-maltopentaoside with a sulfation degree of 1.8 (56.3% sulfation). In an in vitro expt., this at 200 .mu.g/mL showed inhibition in HTLV-1-infected T4 antigen-pos. cells. Formulations of tablets contg. the title compds. are described.

ST **oligoglycoside** sulfate prepn antiviral

IT Virucides and Virustats
(**oligoglycoside** sulfates)

IT **Virus**, animal
(human T-cell leukemia type I, inhibitors, sulfated **oligoglycosides** as)

IT Glycosides
RL: SPN (Synthetic preparation); PREP (Preparation)
(oligo-, sulfo, prepn. of, as antivirals)

IT 74513-18-1DP, oligomers, sulfates, sodium salts 93911-18-3DP, sulfates, sodium salts 122759-52-8DP, oligomers, sulfates, sodium salts 141704-74-7DP, sulfates, sodium salts, oligomers 141790-10-5DP, sulfates, sodium salts 141790-12-7DP, sulfates, sodium salts 141847-31-6DP, sulfates, sodium salts 142300-68-3DP, sulfates 142300-69-4DP, sulfates 142300-70-7DP, sulfates, sodium salts 142300-71-8DP, sulfates, sodium salts 142300-72-9DP, sulfates, sodium salts
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as antivirals)

IT 49587-44-2P 66183-05-9P 121412-65-5P 141704-74-7P 141790-12-7P 141847-31-6P 142300-68-3P 142300-69-4P 142507-31-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as intermediate for antivirals)

IT 59-23-4D, Galactose, .beta.(1.fwdarw.4)-type oligomers 112-30-1, 1-Decanol 112-53-8, 1-Dodecanol 112-92-5D, 1-Octadecanol, .beta.(1.fwdarw.4)-type oligomers 1109-28-0D, Maltotriose,

```
     .beta.(1.fwdarw.4)-type oligomers   23743-55-7, Laminaripentaose
     34620-76-3   34620-77-4D, Maltohexaose, .beta.(1.fwdarw.4)-type oligomers
     36653-82-4, 1-Hexadecanol   118396-93-3   142394-80-7
     RL: RCT (Reactant)
        (reaction of, in prepn. of antivirals)


=> e bacterial

E1            1     BACTERIAGAVE/BI
E2            3     BACTERIAIN/BI
E3       150030 --> BACTERIAL/BI
E4            1     BACTERIALCELLS/BI
E5            1     BACTERIALDECOMPN/BI
E6            1     BACTERIALESS/BI
E7            1     BACTERIALGROWTH/BI
E8            3     BACTERIALIKE/BI
E9            1     BACTERIALIMMUNOFLUORESCENCE/BI
E10           1     BACTERIALINFESTATION/BI
E11           1     BACTERIALIZED/BI
E12           1     BACTERIALLUCIFERASE/BI

=> s e3

L12      150030 BACTERIAL/BI

=> s l12 and l9

L13           0 L12 AND L9

=> d his


     (FILE 'HOME' ENTERED AT 14:20:25 ON 21 SEP 2000)

     FILE 'REGISTRY' ENTERED AT 14:20:30 ON 21 SEP 2000
L1            0 S ALKYLOLIGOGLYCOSIDE
L2            0 S OCTYLGLUCOPYRANOSIDE
L3            0 S OCTYLGLUCOPYRANOSIDE
                E GLUCOPYRANOSIDE
L4        62241 S E3
L5         5790 S ALKYL
L6            2 S L4 AND L5

     FILE 'CA' ENTERED AT 14:24:29 ON 21 SEP 2000
L7        95287 S L4
                E ALKYLOLIGOGLYCOSIDES
L8            7 S E1-E3 OR E10
                E OLIGOGLYCOSIDES
L9          415 S E2-E4
L10      239284 S VIRAL OR VIRUS OR HIV OR HERPES
L11           3 S L9 AND L10
                E BACTERIAL
L12      150030 S E3
L13           0 S L12 AND L9

=> e antibacterial

E1            2     ANTIBACTERAL/BI
E2          280     ANTIBACTERIA/BI
E3        45487 --> ANTIBACTERIAL/BI
E4            1     ANTIBACTERIAL312/BI
E5          102     ANTIBACTERIALLY/BI
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E6        2417     ANTIBACTERIALS/BI
E7           1     ANTIBACTERIALSPECTRUM/BI
E8           1     ANTIBACTERIASCLEROTIC/BI
E9           5     ANTIBACTERIC/BI
E10         22     ANTIBACTERICAL/BI
E11          1     ANTIBACTERICALS/BI
E12         58     ANTIBACTERICIDAL/BI

=> s e2-e6

          280 ANTIBACTERIA/BI
        45487 ANTIBACTERIAL/BI
            1 ANTIBACTERIAL312/BI
          102 ANTIBACTERIALLY/BI
         2417 ANTIBACTERIALS/BI
L14     46263 (ANTIBACTERIA/BI OR ANTIBACTERIAL/BI OR ANTIBACTERIAL312/BI OR
              ANTIBACTERIALLY/BI OR ANTIBACTERIALS/BI)

=> s l9 and l14

L15          1 L9 AND L14

=> d 115


L15  ANSWER 1 OF 1  CA  COPYRIGHT 2000 ACS
AN   127:55917  CA
TI   Sugar derivatives as antimicrobia1 agents
IN   Schneider, Guenther; Schreiber, Joerg; Teichmann, Stefan; Buenger,
     Joachim; Wolf, Florian
PA   Beiersdorf A.-G., Germany
SO   Ger. Offen., 16 pp.
     CODEN: GWXXBX
DT   Patent
LA   German
FAN.CNT 1
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
PI   DE 19547160        A1   19970619       DE 1995-19547160 19951216
     WO 9722346         A2   19970626       WO 1996-EP5400   19961204
     WO 9722346         A3   19970828
         W:  JP, US
         RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,
SE
     EP 869797          A2   19981014       EP 1996-942332   19961204
         R:  AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE
     JP 2000506499      T2   20000530       JP 1997-522461   19961204
PRAI DE 1995-19547160  19951216
     WO 1996-EP5400    19961204
OS   MARPAT 127:55917


=> d l15 all


L15  ANSWER 1 OF 1  CA  COPYRIGHT 2000 ACS
AN   127:55917  CA
TI   Sugar derivatives as antimicrobial agents
IN   Schneider, Guenther; Schreiber, Joerg; Teichmann, Stefan; Buenger,
     Joachim; Wolf, Florian
PA   Beiersdorf A.-G., Germany
SO   Ger. Offen., 16 pp.
     CODEN: GWXXBX
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DT Patent
LA German
IC ICM A61K031-70
ICS A61K007-32; A61K007-40; A61K007-06; A61K007-075; A61K007-02; A61K007-48
CC 63-6 (Pharmaceuticals)
Section cross-reference(s): 62
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19547160	A1	19970619	DE 1995-19547160	19951216
	WO 9722346	A2	19970626	WO 1996-EP5400	19961204
	WO 9722346	A3	19970828		

W: JP, US
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

	EP 869797	A2	19981014	EP 1996-942332	19961204

R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE

	JP 2000506499	T2	20000530	JP 1997-522461	19961204

PRAI DE 1995-19547160 19951216
WO 1996-EP5400 19961204
OS MARPAT 127:55917
AB Alkylated and/or acylated mono- and/or oligosaccharides are useful in cosmetic and dermatol. prepns. as **antibacterial**, antimycotic, and antiviral agents, esp. in deodorant prepns. and for treatment of dermatomycoses, dandruff, and dermal superinfections with microbial pathogens. Thus, a facial mask contained PEG-50 lanolin 0.50, glyceryl stearate 2.00, sunflower seed oil 3.00, bentonite 8.00, kaolin 35.00, ZnO 5.00, glucose caprylate 2.00, perfume, preservative, and water to 100.0 wt.%.
ST sugar deriv antimicrobial skin; monosaccharide deriv bactericide cosmetic;
oligosaccharide deriv fungicide virucide skin
IT Hexoses
RL: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(alkyl glycosides and esters; sugar derivs. as antimicrobial agents)
IT Glycosides
RL: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(alkyl **oligoglycosides**; sugar derivs. as antimicrobial agents)
IT Monosaccharides
Oligosaccharides, biological studies
RL: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(esters; sugar derivs. as antimicrobial agents)
IT Cosmetics
(face masks; sugar derivs. as antimicrobial agents)
IT Soaps
RL: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(microbicidal; sugar derivs. as antimicrobial agents)
IT Conditioning shampoos
Cosmetics
Deodorants
Lipsticks
Shaving preparations
Topical drug delivery systems
(sugar derivs. as antimicrobial agents)
IT Alkyl glycosides
RL: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(sugar derivs. as antimicrobial agents)
IT 25339-99-5 27216-47-3 29836-26-8, Octyl .beta.-D-glucopyranoside
31835-06-0, Sucrose caprate 33508-66-6 58846-77-8, Decyl
.beta.-D-glucopyranoside 59122-55-3, Dodecyl .beta.-D-glucopyranoside
69984-73-2, Nonyl .beta.-D-glucopyranoside 70005-86-6, Undecyl
.beta.-D-glucopyranoside 75319-63-0, Hexadecyl .beta.-D-glucopyranoside
138328-35-5 148619-00-5, Plantaren 1200 148619-01-6, Plantaren 2000
150679-30-4, Oramix NS 10 191039-78-8
RL: BAC (Biological activity or effector, except adverse); THU
(Therapeutic use); BIOL (Biological study); USES (Uses)
(sugar derivs. as antimicrobial agents)

=> e antifungal

E1 1 ANTIFUNG/BI
E2 1 ANTIFUNGA/BI
E3 15471 --> ANTIFUNGAL/BI
E4 7 ANTIFUNGALLY/BI
E5 524 ANTIFUNGALS/BI
E6 21 ANTIFUNGI/BI
E7 2 ANTIFUNGIAL/BI
E8 3 ANTIFUNGIC/BI
E9 1 ANTIFUNGICAL/BI
E10 30 ANTIFUNGICIDAL/BI
E11 11 ANTIFUNGICIDE/BI
E12 7 ANTIFUNGICIDES/BI

=> s e3-e5

15471 ANTIFUNGAL/BI
7 ANTIFUNGALLY/BI
524 ANTIFUNGALS/BI
L16 15618 (ANTIFUNGAL/BI OR ANTIFUNGALLY/BI OR ANTIFUNGALS/BI)

=> s l16 and l9

L17 9 L16 AND L9

=> d l17 1-9

L17 ANSWER 1 OF 9 CA COPYRIGHT 2000 ACS
AN 130:265046 CA
TI Characterization of antimicrobial agents extracted from Asterina
pectinifera
AU Choi, Don Ho; Shin, Sook; Park, In Kook
CS Department of Applied Biology, Dongguk University, Seoul, 100-715, S.
Korea
SO Int. J. Antimicrob. Agents (1999), 11(1), 65-68
CODEN: IAAGEA; ISSN: 0924-8579
PB Elsevier Science Ireland Ltd.
DT Journal
LA English
RE.CNT 17
RE
(4) Iorizzi, M; J Nat Prod 1992, V55, P866 CA
(5) Iorizzi, M; J Nat Prod 1993, V56, P2149 CA
(6) Iorizzi, M; J Nat Prod 1995, V58, P10 CA
(7) Killday, K; J Nat Prod 1993, V56, P500 CA
(8) Kitagawa, I; Chem Pharm Bull 1978, V26, P3722 CA
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 2 OF 9 CA COPYRIGHT 2000 ACS
AN 116:102855 CA
TI Marine natural products. XXVII. Distribution of lanostane-type triterpene **oligoglycosides** in ten kinds of Okinawan Sea cucumbers
AU Kobayashi, Motomasa; Hori, Manabu; Kan, Kumiko; Yasuzawa, Tohru; Matsui, Matsutaro; Suzuki, Shigeki; Kitagawa, Isao
CS Fac. Pharm. Sci., Osaka Univ., Suita, 565, Japan
SO Chem. Pharm. Bull. (1991), 39(9), 2282-7
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L17 ANSWER 3 OF 9 CA COPYRIGHT 2000 ACS
AN 111:112392 CA
TI Marine natural products. XIX. Pervicosides A, B, and C, lanostane-type triterpene-**oligoglycoside** sulfates from the sea cucumber Holothuria pervicax
AU Kitagawa, Isao; Kobayashi, Motomasa; Son, Byeng Wha; Suzuki, Shigeki; Kyogoku, Yoshimasa
CS Fac. Pharm. Sci., Osaka Univ., Suita, 565, Japan
SO Chem. Pharm. Bull. (1989), 37(5), 1230-4
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L17 ANSWER 4 OF 9 CA COPYRIGHT 2000 ACS
AN 110:209543 CA
TI Marine natural products. XVIII. Four lanostane-type triterpene **oligoglycosides**, bivittosides A, B, C, and D, from the Okinawan sea cucumber Bohadschia bivittata Mitsukuri
AU Kitagawa, Isao; Kobayashi, Motomasa; Hori, Manabu; Kyogoku, Yoshimasa
CS Fac. Pharm. Sci., Osaka Univ., Suita, 565, Japan
SO Chem. Pharm. Bull. (1989), 37(1), 61-7
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L17 ANSWER 5 OF 9 CA COPYRIGHT 2000 ACS
AN 95:199426 CA
TI The structures of six **antifungal oligoglycosides**, stichlorosides A1, A2, B1, B2, C1, and C2, from the sea cucumber Stichopus chloronotus (Brandt)
AU Kitagawa, Isao; Kobayashi, Motomasa; Inamoto, Tatsuya; Yasuzawa, Tohru; Kyogoku, Yoshimasa
CS Fac. Pharm. Sci., Osaka Univ., Suita, 565, Japan
SO Chem. Pharm. Bull. (1981), 29(8), 2387-91
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L17 ANSWER 6 OF 9 CA COPYRIGHT 2000 ACS
AN 95:37623 CA
TI Stichlorogenol and dehydrostichlorogenol, genuine aglycons of stichlorosides A1, B1, C1 and A2, B2, C2, from the sea cucumber Stichopus chloronotus (Brandt)
AU Kitagawa, Isao; Kobayashi, Motomasa; Inamoto, Tatsuya; Yasuzawa, Tohru; Kyogoku, Yoshimasa; Kido, Masaru
CS Fac. Pharm. Sci., Osaka Univ., Osaka, 565, Japan
SO Chem. Pharm. Bull. (1981), 29(4), 1189-92
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal

LA English

L17 ANSWER 7 OF 9 CA COPYRIGHT 2000 ACS
AN 93:204970 CA
TI Structures of echinoside A and B, two **antifungal oligoglycosides** from the sea cucumber Actinopyga echinites (Jaeger)
AU Kitagawa, Isao; Inamoto, Tatsuya; Fuchida, Masako; Okada, Shinji; Kobayashi, Motomasa; Nishino, Takao; Kyogoku, Yoshimasa
CS Fac. Pharm. Sci., Osaka Univ., Suita, 565, Japan
SO Chem. Pharm. Bull. (1980), 28(5), 1651-3
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L17 ANSWER 8 OF 9 CA COPYRIGHT 2000 ACS
AN 93:182796 CA
TI Triterpene glycosides with **antifungal** activity isolated from the sea cucumber Cucumaria japonica
AU Batrakov, S. G.; Girshovich, E. S.; Drozhzhina, N. S.
CS Cent. Inst. Adv. Med. Train., Moscow, USSR
SO Antibiotiki (Moscow) (1980), 25(6), 408-11
CODEN: ANTBAL; ISSN: 0003-5637
DT Journal
LA Russian

L17 ANSWER 9 OF 9 CA COPYRIGHT 2000 ACS
AN 90:187277 CA
TI Saponin and sapogenol. XXVII. Revised structures of holotoxin A and holotoxin B, two **antifungal oligoglycosides** from the sea cucumber Stichopus japonicus Selenka
AU Kitagawa, Isao; Yamanaka, Hideaki; Kobayashi, Motomasa; Nishino, Takao; Yosioka, Itiro; Sugawara, Tamio
CS Fac. Pharm. Sci., Osaka Univ., Osaka, Japan
SO Chem. Pharm. Bull. (1978), 26(12), 3722-31
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

=> d l17 5 7 all

L17 ANSWER 5 OF 9 CA COPYRIGHT 2000 ACS
AN 95:199426 CA
TI The structures of six **antifungal oligoglycosides**, stichlorosides A1, A2, B1, B2, C1, and C2, from the sea cucumber Stichopus chloronotus (Brandt)
AU Kitagawa, Isao; Kobayashi, Motomasa; Inamoto, Tatsuya; Yasuzawa, Tohru; Kyogoku, Yoshimasa
CS Fac. Pharm. Sci., Osaka Univ., Suita, 565, Japan
SO Chem. Pharm. Bull. (1981), 29(8), 2387-91
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English
CC 6-4 (General Biochemistry)
GI For diagram(s), see printed CA Issue.
AB Chem. structures are reported for 6 **antifungal** lanostane-type triterpene **oligoglycosides** from the Okinawan sea cucumber S. chloronotus. These compds. are stichlorosides A1, B1, C1 (I, II, and III, resp.), A2, B2, and C2.

ST stichloroside structure sea cucumber; Stichopus stichloroside structure
IT Molecular structure, natural product
(of stichloroside A1)
IT Molecular structure, natural product
(of stichloroside A2)
IT Molecular structure, natural product
(of stichloroside B1)
IT Molecular structure, natural product
(of stichloroside B2)
IT Molecular structure, natural product
(of stichloroside C1)
IT Molecular structure, natural product
(of stichloroside C2)
IT Stichopus chloronotus
(stichlorosides of, structure of)
IT 9068-31-9
RL: RCT (Reactant)
(desacetylstichloride A1 hydrolysis by)
IT 79874-12-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and enzymic hydrolysis of)
IT 79863-55-1P 79874-14-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and hydrolysis of)
IT 79863-51-7P 79863-52-8P 79874-13-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and methanolysis of)
IT 79863-46-0P 79863-47-1P 79863-48-2P 79863-49-3P 79863-50-6P
79863-53-9P 79863-54-0P 79863-56-2P 79874-15-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and methylation of)
IT 78183-30-9P 79863-57-3P 79874-16-1P 79874-17-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
IT 78244-70-9 78244-71-0 78244-72-1 78244-73-2 78244-74-3
78244-75-4
RL: PRP (Properties)
(structure of, of sea cucumber)

L17 ANSWER 7 OF 9 CA COPYRIGHT 2000 ACS
AN 93:204970 CA
TI Structures of echinoside A and B, two **antifungal oligoglycosides** from the sea cucumber Actinopyga echinites (Jaeger)
AU Kitagawa, Isao; Inamoto, Tatsuya; Fuchida, Masako; Okada, Shinji; Kobayashi, Motomasa; Nishino, Takao; Kyogoku, Yoshimasa
CS Fac. Pharm. Sci., Osaka Univ., Suita, 565, Japan
SO Chem. Pharm. Bull. (1980), 28(5), 1651-3
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English
CC 33-8 (Carbohydrates)
Section cross-reference(s): 12, 30
GI For diagram(s), see printed CA Issue.
AB On the basis of chem. and physicochem. evidence, the structures of 2 **antifungal oligoglycosides**, echinosides A and B from the sea cucumber A. echinites (Jaeger) have been elucidated as I (R = Q) and
I
(R = Q1), resp.
ST Actinopyga **oligoglycoside** mol structure; glycoside triterpenoid Actinopyga mol structure; echinoside A mol structure; echinoside B mol structure
IT Actinopyga echinites

(**antifungal oligoglycosides** of, structure detn. of)
IT Nomenclature, new natural products
(echinoside A)
IT Nomenclature, new natural products
(echinoside B)
IT Molecular structure, natural product
(of echinoside A)
IT Molecular structure, natural product
(of echinoside B)
IT Triterpenes and Triterpenoids
RL: PROC (Process)
(glycosidal, from Actinopyga echinites, structure detn. of)
IT Glycosides
RL: PROC (Process)
(oligo-, from Actinopyga echinites, structure detn. of)
IT 75410-52-5P 75410-53-6P
RL: PREP (Preparation)
(from Acintopyga echinites, structure detn. of)
IT 75443-67-3P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and NMR of)
IT 75410-56-9P 75410-58-1P 75422-86-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and methanolysis of)
IT 75410-55-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and methylation of)
IT 75410-54-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and oxidn. of)
IT 6722-82-3P 75410-57-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
IT 25495-63-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn., redn., and acetylation of)

=> d his

(FILE 'HOME' ENTERED AT 14:20:25 ON 21 SEP 2000)

FILE 'REGISTRY' ENTERED AT 14:20:30 ON 21 SEP 2000
L1 0 S ALKYLOLIGOGLYCOSIDE
L2 0 S OCTYLGLUCOPYRANOSIDE
L3 0 S OCTYLGLUCOPYRANOSIDE
E GLUCOPYRANOSIDE
L4 62241 S E3
L5 5790 S ALKYL
L6 2 S L4 AND L5

FILE 'CA' ENTERED AT 14:24:29 ON 21 SEP 2000
L7 95287 S L4
E ALKYLOLIGOGLYCOSIDES
L8 7 S E1-E3 OR E10
E OLIGOGLYCOSIDES
L9 415 S E2-E4
L10 239284 S VIRAL OR VIRUS OR HIV OR HERPES
L11 3 S L9 AND L10
E BACTERIAL
L12 150030 S E3
L13 0 S L12 AND L9

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                E ANTIBACTERIAL
L14        46263 S E2-E6
L15            1 S L9 AND L14
                E ANTIFUNGAL
L16        15618 S E3-E5
L17            9 S L16 AND L9

=> e antiviral

E1             3     ANTIVIR/BI
E2             1     ANTIVIRA/BI
E3         27761 --> ANTIVIRAL/BI
E4             1     ANTIVIRALE/BI
E5             1     ANTIVIRALEN/BI
E6            88     ANTIVIRALLY/BI
E7           579     ANTIVIRALS/BI
E8            92     ANTIVIRIAL/BI
E9             1     ANTIVIRIALS/BI
E10            1     ANTIVIRIL/BI
E11           14     ANTIVIRIN/BI
E12            1     ANTIVIRINS/BI

=> s e3 or e6-e8

          27761 ANTIVIRAL/BI
             88 ANTIVIRALLY/BI
            579 ANTIVIRALS/BI
             92 ANTIVIRIAL/BI
L18       27918 ANTIVIRAL/BI OR (ANTIVIRALLY/BI OR ANTIVIRALS/BI OR
ANTIVIRIAL/B
                I)

=> s l18 and l9

L19            3 L18 AND L9

=> d l19 1-3


L19  ANSWER 1 OF 3  CA  COPYRIGHT 2000 ACS
AN   127:55917  CA
TI   Sugar derivatives as antimicrobial agents
IN   Schneider, Guenther; Schreiber, Joerg; Teichmann, Stefan; Buenger,
     Joachim; Wolf, Florian
PA   Beiersdorf A.-G., Germany
SO   Ger. Offen., 16 pp.
     CODEN: GWXXBX
DT   Patent
LA   German
FAN.CNT 1
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
PI   DE 19547160        A1   19970619       DE 1995-19547160 19951216
     WO 9722346         A2   19970626       WO 1996-EP5400   19961204
     WO 9722346         A3   19970828
         W:  JP, US
         RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,
SE
     EP 869797          A2   19981014       EP 1996-942332   19961204
         R:  AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE
     JP 2000506499      T2   20000530       JP 1997-522461   19961204
PRAI DE 1995-19547160  19951216
     WO 1996-EP5400    19961204
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OS MARPAT 127:55917

L19 ANSWER 2 OF 3 CA COPYRIGHT 2000 ACS
AN 119:135660 CA
TI Astragalosides from Egyptian Astragalus spinosus Vahl
AU Abdallah, Rokia M.; Ghazy, Nabila M.; El-Sebakhy, Nadia A.; Pirillo, Angela; Verotta, Luisella
CS Fac. Pharm., Univ. Alexandria, Egypt
SO Pharmazie (1993), 48(6), 452-4
CODEN: PHARAT; ISSN: 0031-7144
DT Journal
LA English

L19 ANSWER 3 OF 3 CA COPYRIGHT 2000 ACS
AN 117:70254 CA
TI Preparation of **oligoglycoside** sulfates as **antiviral** agents and pharmaceutical compositions containing them.
IN Shoji, Tadao; Takahashi, Nahoko; Ikushima, Naoya; Katsuraya, Kaname; Uryu, Toshiyuki; Yoshida, Takashi; Nishihashi, Hideji; Yamamoto, Naoki; Nakashima, Hideki; Shigeta, Shiro
PA Dainippon Ink Chemical Industry Co., Japan
SO PCT Int. Appl., 86 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9203453	A1	19920305	WO 1991-JP1122	19910823
	W: AU, CA, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
	CA 2071915	AA	19920224	CA 1991-2071915	19910823
	AU 9183346	A1	19920317	AU 1991-83346	19910823
	AU 644895	B2	19931223		
	EP 497988	A1	19920812	EP 1991-914756	19910823
	R: CH, DE, FR, GB, IT, LI				
	JP 05078382	A2	19930330	JP 1991-211833	19910823
PRAI	JP 1990-222187	19900823			
	JP 1990-228306	19900831			
	JP 1990-228307	19900831			
	JP 1990-235649	19900907			
	JP 1990-335713	19901130			
	JP 1991-99050	19910430			
	JP 1991-211833	19910823			
	WO 1991-JP1122	19910823			

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(FILE 'HOME' ENTERED AT 14:20:25 ON 21 SEP 2000)

FILE 'REGISTRY' ENTERED AT 14:20:30 ON 21 SEP 2000
L1 0 S ALKYLOLIGOGLYCOSIDE
L2 0 S OCTYLGLUCOPYRANOSIDE
L3 0 S OCTYLGLUCOPYRANOSIDE
E GLUCOPYRANOSIDE
L4 62241 S E3
L5 5790 S ALKYL
L6 2 S L4 AND L5

FILE 'CA' ENTERED AT 14:24:29 ON 21 SEP 2000

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                E GLUCOPYRANOSIDE
L4          62241 S E3
L5           5790 S ALKYL
L6              2 S L4 AND L5

     FILE 'CA' ENTERED AT 14:24:29 ON 21 SEP 2000
L7          95287 S L4
                E ALKYLOLIGOGLYCOSIDES
L8              7 S E1-E3 OR E10
                E OLIGOGLYCOSIDES
L9            415 S E2-E4
L10        239284 S VIRAL OR VIRUS OR HIV OR HERPES
L11             3 S L9 AND L10
                E BACTERIAL
L12        150030 S E3
L13             0 S L12 AND L9
                E ANTIBACTERIAL
L14         46263 S E2-E6
L15             1 S L9 AND L14
                E ANTIFUNGAL
L16         15618 S E3-E5
L17             9 S L16 AND L9
                E ANTIVIRAL
L18         27918 S E3 OR E6-E8
L19             3 S L18 AND L9
L20             1 S L19 NOT L11

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---Logging off of STN---


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Executing the logoff script...


=> LOG Y

COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                              95.76     118.85

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                              -7.42      -7.42

STN INTERNATIONAL LOGOFF AT 14:47:26 ON 21 SEP 2000
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US 0909160209P1

Creation date: 11-21-2003
Indexing Officer: HLE11 - LE HUNG
Team: OIPEBackFileIndexing
Dossier: 09091602

Legal Date: 09-26-2000

No.	Doccode	Number of pages
1	CTNF	6
2	892	1

Total number of pages: 7

Remarks:

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